FIGURE 1

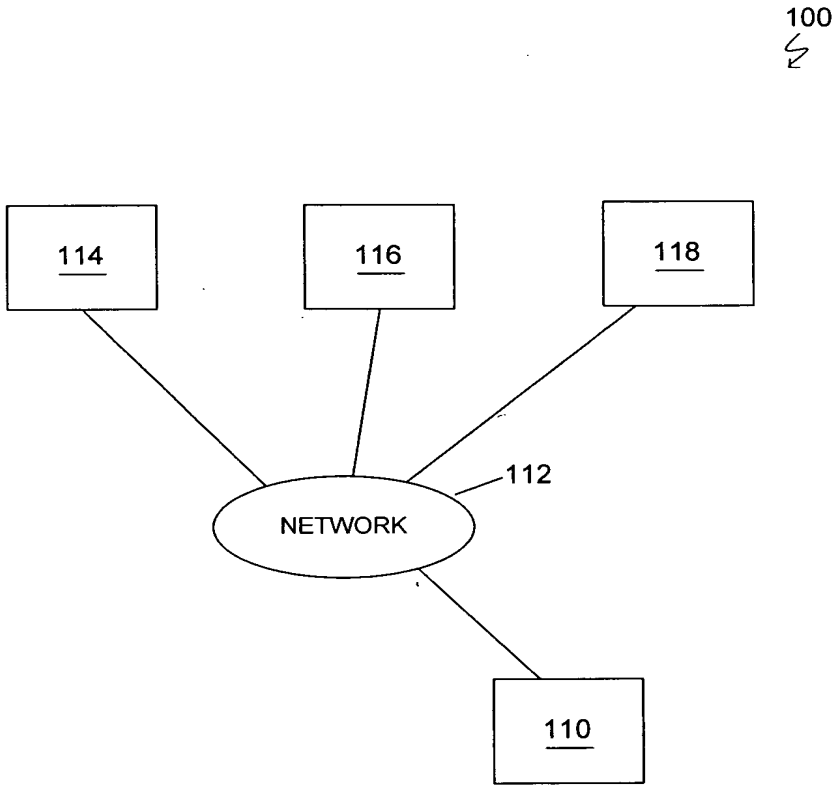


FIGURE 2

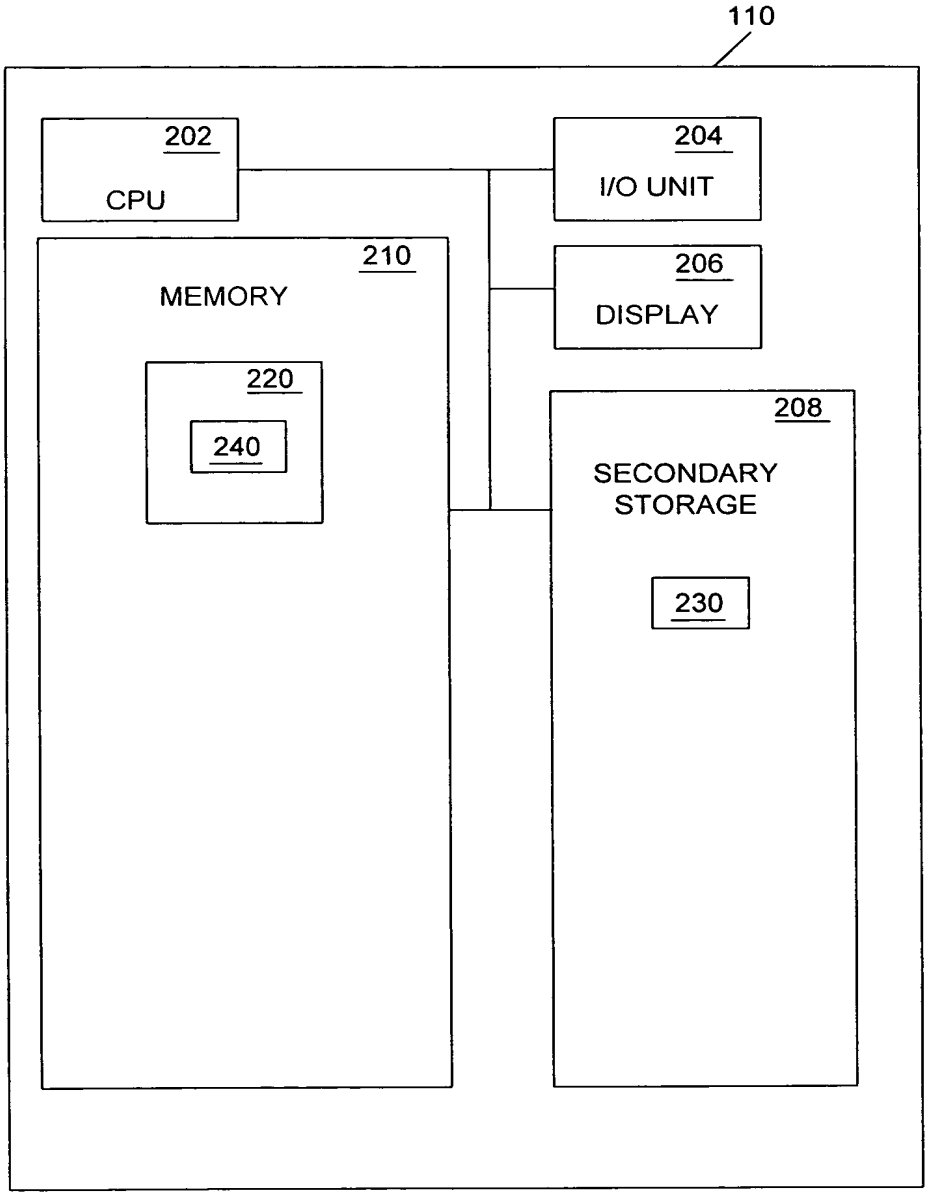

110
202
CPU
204
I/O UNIT
210
MEMORY
206
DISPLAY
220
240
208
SECONDARY
STORAGE
230

FIGURE 3

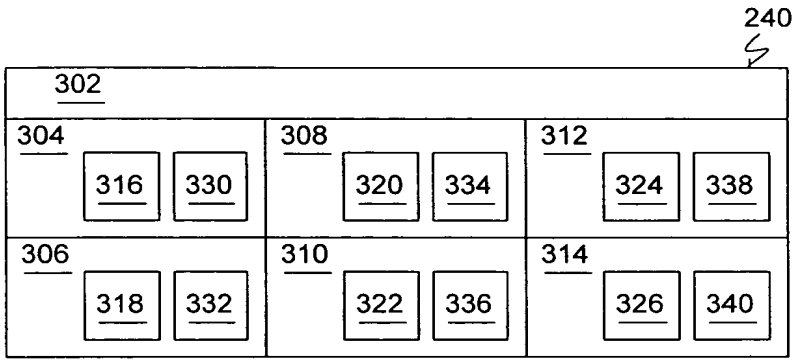

240
302
304
316
330
308
320
334
312
324
338
306
318
332
310
322
336
314
326
340

FIGURE 4

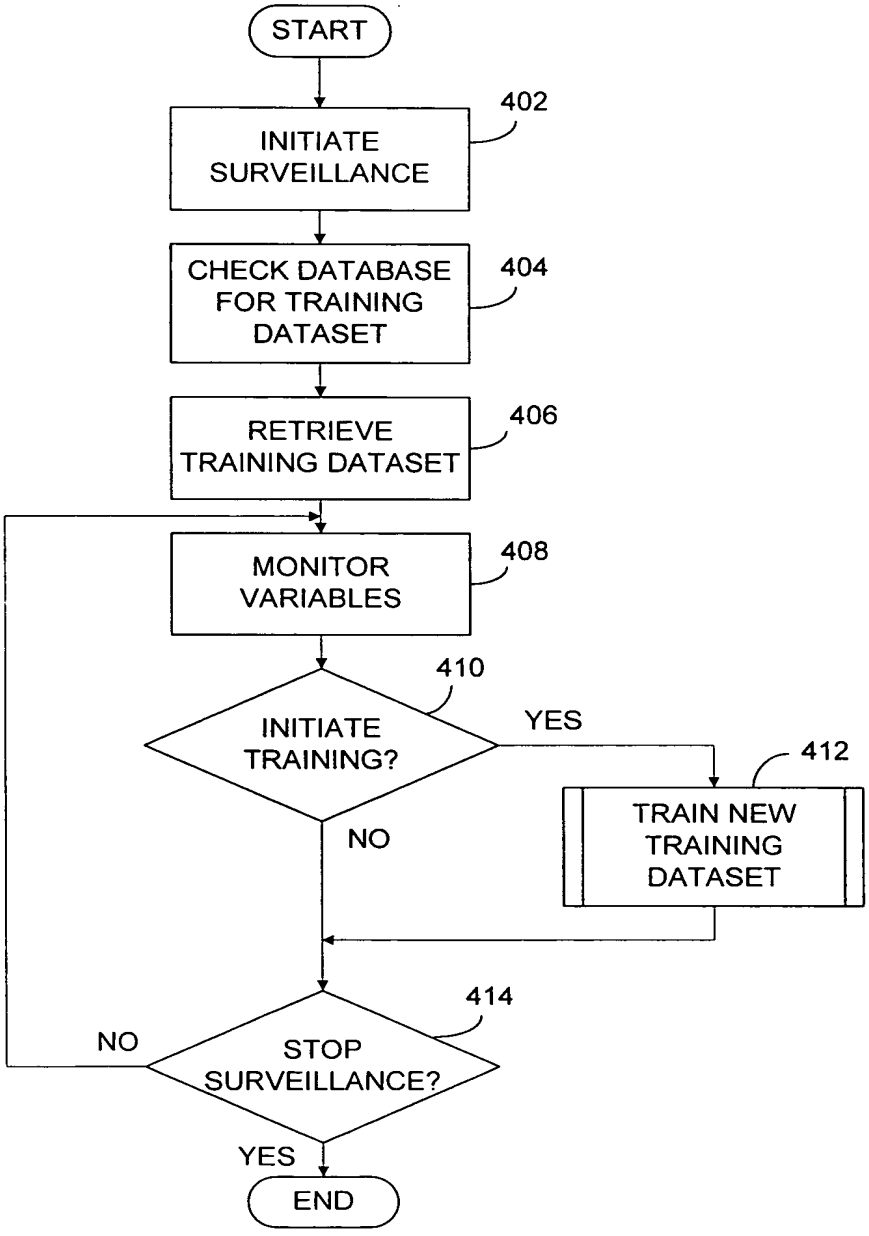
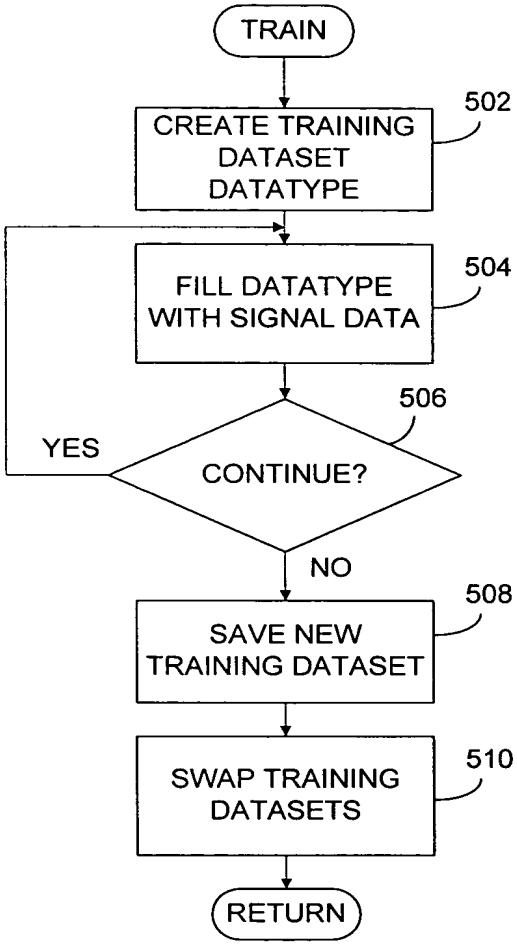

START
INITIATE SURVEILLANCE
402
CHECK DATABASE FOR TRAINING DATASET
404
RETRIEVE TRAINING DATASET
406
MONITOR VARIABLES
408
INITIATE TRAINING?
410
YES
NO
TRAIN NEW TRAINING DATASET
412
STOP SURVEILLANCE?
414
NO
YES
END

FIGURE 5


TRAIN
CREATE TRAINING DATASET DATATYPE
502
FILL DATATYPE WITH SIGNAL DATA
504
CONTINUE?
506
YES
NO
SAVE NEW TRAINING DATASET
508
SWAP TRAINING DATASETS
510
RETURN